## INTERNATIONAL SEARCH REPORT

International Application No PCT/JP 03/11192

A. CLASSII IPC 7	FICATION OF SUBJECT MATTER C11D11/04 C11D11/02 C11D17/0	6								
According to International Patent Classification (IPC) or to both national classification and IPC										
B. FIELDS	SEARCHED									
Minimum documentation searched (classification system followed by classification symbols)  IPC 7 C11D										
Documental	ion searched other than minimum documentation to the extent that s	uch documents are included in the fields se	arched							
Electronic d	ata base consulted during the international search (name of data bas	se and, where practical, search terms used	)							
EPO-In	ternal									
C. DOCUMENTS CONSIDERED TO BE RELEVANT										
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to daim No.							
X	EP 0 969 082 A (KAO CORP) 5 January 2000 (2000-01-05) claim 9; example 4; table 1		1–5							
Α	US 5 527 489 A (TADSEN RICHARD L 18 June 1996 (1996-06-18)	1-4								
х	column 6, line 18 - line 34; exam	5								
		·								
Furt	her documents are listed in the continuation of box C.	χ Patent family members are listed	in annex.							
"A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier document but published on or after the international filling date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but		PT* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  IX* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  IX* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.								
Date of the actual completion of the international search		Date of mailing of the International sea	arch report							
	2 December 2003	08/01/2004								
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016		Authorized officer  Grittern, A								

## INTERNATIONAL SEARCH REPORT

on on patent family members

PCT 03/11192

4	•				
Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0969082	A	05-01-2000	AU	744709 B2	28-02-2002
21 0303002			ΑU	1505599 A	28-06-1999
			EP	0969082 A1	05-01-2000
			JP	3123757 B2	15-01-2001
			US	2002155977 A1	24-10-2002
			US	6376453 B1	23-04-2002
			ΑU	1351299 A	28-06-1999
			CN	1252095 T	03-05-2000
			MO	9929829 Al	17-06-1999
			WO	9929830 A1	17-06-1999
			TW	460575 B	21-10-2001
US 5527489	Α	18-06-1996	AU	8927891 A	28-04-1992
00 0027 103	• •		BR	9106950 A	17-08-1993
			CA	2027518 A1	04-04-1992
			CA	2093346 A1	04-04-1992
1			CN	1061429 A ,B	27-05-1992
-			CZ	9300532 A3	13-04-1994
			JР	6502212 T	10-03-1994
			MX	9101428 A1	05-06-1992
			SK	29593 A3	12-01-1994
			WO	9206170 A1	16-04-1992